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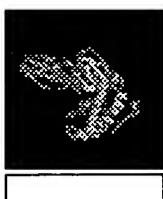
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 PDB ID or keyword  Author    Advanced Search

114 Structure Hits 349 Web Page Hits 0 Unreleased Structures

1 2 3 4 5 .. 12

 1A22**Characteristics****Classification****Compound****Authors**

### HUMAN GROWTH HORMONE BOUND TO SINGLE RECEPTOR

Release Date: 29-Apr-1998 Exp. Method: X Ray Diffraction

Resolution: 2.60 Å

**Complex (hormone/receptor)**Mol. Id: 1 Molecule: Growth Hormone Mutation: G120R M  
Id: 2 Molecule: Growth Hormone Receptor Fragment: Extracellular Domain

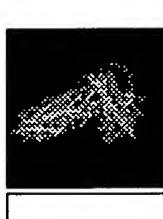
Clackson, T., Ultsch, M.H., Wells, J.A., de Vos, A.

 1HWH**Characteristics****Classification****Compound****Authors**

### 1:1 COMPLEX OF HUMAN GROWTH HORMONE MUTANT G120R WITH ITS SOLUBLE BINDING PROTEIN

Release Date: 19-Nov-1997 Exp. Method: X Ray Diffraction

Resolution: 2.90 Å

**Complex (hormone/receptor)**Mol. Id: 1 Molecule: Growth Hormone Mutation: G120R M  
Id: 2 Molecule: Growth Hormone Binding Protein  
Fragment: Extracellular Domain  
Sundstrom, M., Lundqvist, T., Rodin, J., Giebel, L.B., Milligan, D., Norstedt, G. 3HHR**Characteristics****Classification****Compound****Authors**

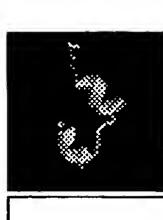
### HUMAN GROWTH HORMONE AND EXTRACELLULAR DOMAIN OF ITS RECEPTOR: CRYSTAL STRUCTURE OF THE COMPLEX

Release Date: 30-Apr-1994 Exp. Method: X Ray Diffraction

Resolution: 2.80 Å

**Hormone/receptor**

Mol. Id: 1 Molecule: Human Growth Hormone Mol. Id: 2 Molecule: Human Growth Hormone Receptor (hghbp) Mol. Id: 3 Molecule: Human Growth Hormone Receptor de Vos, A.M., Ultsch, M., Kossiakoff, A.A.

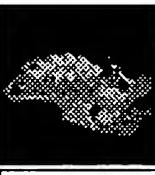
 1HZN**Characteristics****Classification****Compound****Authors**

### NMR SOLUTION STRUCTURE OF THE THIRD EXTRACELLULAR LOOP OF THE CHOLECYSTOKININ A RECEPTOR

Release Date: 25-Apr-2001 Exp. Method: NMR

**Hormone/growth Factor**Mol. Id: 1 Molecule: Cholecystokinin Type a Receptor  
Fragment: Residues 329 357  
Giragossian, C., Mierke, D.F. 1L4T**Characteristics**

Release Date: 28-Jan-2003 Exp. Method: NMR Minimized Av

**Classification****Hormone/growth Factor Receptor****Compound****Mol. Id: 1 Molecule: Gastrin/cholecystokinin Type B Receptor****Authors****Fragment: Extracellular Domain Residues 352 379****Giragossian, C., Mierke, D.F.** **1N9D****Characteristics****Release Date: 06-May-2003 Exp. Method: NMR 20 Structure****Classification****Hormone/growth Factor****Compound****Mol. Id: 1 Molecule: Prolactin****Authors****Keeler, C., Dannies, P.S., Hodsdon, M.E.** **1BP3****Characteristics****Release Date: 19-Aug-1998 Exp. Method: X Ray Diffraction****Classification****Resolution: 2.90 Å****Compound****Hormone/growth Factor****Authors****Mol. Id: 1 Molecule: Protein (growth Hormone) Mutation: G****Mol. Id: 2 Molecule: Protein (prolactin Receptor)****Somers, W., Ultsch, M., De Vos, A.M., Kossiakoff,** **1AXI****Characteristics****Release Date: 28-Jan-1998 Exp. Method: X Ray Diffraction****Classification****Resolution: 2.10 Å****Compound****Complex (hormone/receptor)****Authors****Mol. Id: 1 Molecule: Growth Hormone Mutation: G120R, K1****D171T, K172Y, E174A, F176Y Mol. Id: 2 Molecule: Growth****Hormone Receptor Fragment: Extracellular Binding Domain****Mutation: W104A****Atwell, S., Ultsch, M., De Vos, A.M., Wells, J.A.** **1HWG****Characteristics****1:2 COMPLEX OF HUMAN GROWTH HORMONE WITH ITS SOLUBLE BINDING PROTEIN****Classification****Release Date: 19-Nov-1997 Exp. Method: X Ray Diffraction****Compound****Resolution: 2.50 Å****Authors****Complex (hormone/receptor)****Mol. Id: 1 Molecule: Growth Hormone Mol. Id: 2****Molecule: Growth Hormone Binding Protein Fragment: Extracellular Domain****Sundstrom, M., Lundqvist, T., Rodin, J., Giebel, L.B., Milligan, D., Norstedt, G.** **1QSZ****Characteristics****THE VEGF-BINDING DOMAIN OF FLT-1 (MINIMIZED MEAN)****Classification****Release Date: 10-Nov-1999 Exp. Method: NMR Minimized Mean****Compound****Hormone/growth Factor Receptor****Authors****Mol. Id: 1 Molecule: Vascular Endothelial Growth Factor Receptor****Fragment: Second Extracellular Immunoglobulin Like Domain****Starovasnik, M.A., Christinger, H.W., Wiesmann, M.A., de Vos, A.M., Skelton, N.J.**

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	566	sundstrom.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 07:48
L2	14	L1 and crystal	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 07:50
L3	37	Norstedt.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 07:50
L4	5	L3 and crystal	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 07:50
L5	1580395	((crystal) or (xtal) or (3D) or (xray) or (x-ray) or (NMR) or crystallization)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 08:50
L6	1580224	((crystal) or (xtal) or (3D) or (xray) or (x-ray) or (NMR) or crystalli?ation)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 08:49
L7	1183547	((crystal) or (xtal) or (crystallization))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 10:14
L8	259231	L7 same methods	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 08:53
L9	31829	L7 same method.clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 08:53
L10	291656	L7 and method.clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 10:11
L11	2072	(530/399).CCLS.	US-PGPUB; USPAT; DERWENT	OR	OFF	2006/03/02 10:11

## EAST Search History

L12	423	L11 and L7	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 10:12
L13	152	L12 and "human growth hormone"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 10:14
L14	26	L12 and "human growth hormone receptor"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 10:13
L15	5	L12 and "human growth hormone receptor".clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 10:12
L16	41	L12 and "human growth hormone".clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 10:14
L17	103294	((crystal) or (xtal) or (crystallization)).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 10:14
L18	20	L17 and L11	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 10:14
L19	1512680	((crystal) or (xtal) or (3D) or (xray) or (x-ray) or (NMR))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 10:22
L20	296	L19 and "cytokine receptor protein"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 10:23
L21	12	L19 and "cytokine receptor protein".clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 10:24
L22	247	L19 and "cytokine receptor".clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 10:24
L23	9	L19.clm. and "cytokine receptor".clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 10:25

## EAST Search History

L24	24	L19.clm. and "IL-2".clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 10:26
L25	12	L19.clm. and "IL-3".clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 10:27
L26	14	L19.clm. and "IL-4".clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 10:28
L27	3	L7.clm. and "IL-5".clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 10:28
L28	10	L7.clm. and "IL-6".clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 10:36
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## EAST Search History

L36	3	L7.clm. and "GM-CSF".clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 10:50
L37	37	L7.clm. and "OM".clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 10:51
L38	1	L7.clm. and "CT-1".clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 10:51
L39	0	L7.clm. and "CNTF".clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 10:52
L40	6	L7.clm. and "TPO".clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 10:52
S4	1509114	((crystal) or (xtal) or (3D) or (xray) or (x-ray) or (NMR))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 10:22
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S6	318	S5 and "human growth hormone receptor"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/02/24 10:46
S7	16	S5 and "human growth hormone receptor".clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/02/24 10:51
S8	2	("6891025").PN.	US-PGPUB; USPAT; DERWENT	OR	OFF	2006/02/24 10:51

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\*\*\*Index Chemicus (File 302)

\*\*\*Inspec (File 202)

\*\*\*Physical Education Index (File 138)

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is now available online.

RESUMED UPDATING

\*\*\*EDGARPLUS(TM)-Williams Act Filings (File 773)

\*\*\*EDGARPLUS(TM)-Prospectuses (File 774)

\*\*\*EDGARPLUS(TM)-Registration Statements (File 775)

\*\*\*EDGARPLUS(TM)-6K,8K, and 10C Filings (File 776)

\*\*\*EDGARPLUS(TM)-10-K & 20F Filings (File 778)

\*\*\*EDGARPLUS(TM)-10-Q Filings (File 779)

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\*\*\*ERIC (File 1)

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Chemical Structure Searching now available in Prous Science Drug Data Report (F452), Prous Science Drugs of the Future (F453), IMS R&D Focus (F445/955), Pharmaprojects (F128/928), Beilstein Facts (F390), Derwent Chemistry Resource (F355) and Index Chemicus (File 302).

\*\*\*

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3. Help in Choosing Databases for Your Topic
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? b 155 biosci 399

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>>>      76 is unauthorized
>>>2 of the specified files are not available
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      $0.00  Estimated cost FileHomeBase
      $0.14  TELNET
      $0.14  Estimated cost this search
      $0.14  Estimated total session cost  0.211 DialUnits
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File 155: MEDLINE(R) 1951-2006/Mar 01
(c) format only 2006 Dialog
*File 155: Medline has resumed updating.
File 5:Biosis Previews(R) 1969-2006/Feb W4
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File 24:CSA Life Sciences Abstracts 1966-2006/Jan
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File 28:Oceanic Abstracts 1966-2006/Jan
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 (c) 2002 AEA Techn Env.  
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 File 135:NewsRx Weekly Reports 1995-2006/Feb W3  
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 File 136:BioEngineering Abstracts 1966-2006/Jan  
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 File 143:Biol. & Agric. Index 1983-2006/Feb  
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 File 144:Pascal 1973-2006/Feb W1  
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 File 164:Allied & Complementary Medicine 1984-2006/Mar  
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 File 357:Derwent Biotech Res. 1982-2006/Feb W4  
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 (c) 1998 Inst for Sci Info  
 File 467:ExtraMED(tm) 2000/Dec  
 (c) 2001 Informania Ltd.  
**\*File 467: F467 will close on February 1, 2006.**  
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 IPCR/8 classification codes now searchable as IC=. See HELP NEWSIPCR.

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? s au=((sundstrom M?) or (Sundstrom, M.) or (Sundstrom, M?) or (Sundstrom
M.))
      128  AU=SUNDSTROM M?
          8  AU=SUNDSTROM, M.
          38 AU=SUNDSTROM, M?
          37 AU=SUNDSTROM M.
S1      166 AU=((SUNDSTROM M?) OR (SUNDSTROM, M.) OR (SUNDSTROM, M?)
          OR (SUNDSTROM M.))
? s s1 and (growth hormone)
      166  S1
      103549 GROWTH HORMONE
S2      5  S1 AND (GROWTH HORMONE)
? rd

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>>>Records from unsupported files will be retained in the RD set.
      S3      4  RD (unique items)
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3/3/1 (Item 1 from file: 155)
DIALOG(R)File 155:MEDLINE(R)
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11645782  PMID: 8943276
Crystal structure of an antagonist mutant of human growth hormone, G120R,
in complex with its receptor at 2.9 Å resolution.
Sundstrom M ; Lundqvist T; Rodin J; Giebel L B; Milligan D; Norstedt G
Department of Structural Biochemistry, Pharmacia and Upjohn, Preclinical
Research and Development, S-112 87 Stockholm, Sweden.
michael.sundstrom@sto.pharmacia.se
Journal of biological chemistry (UNITED STATES) Dec 13 1996, 271 (50)
p32197-203, ISSN 0021-9258 Journal Code: 2985121R
Publishing Model Print
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: MEDLINE; Completed

3/3/2 (Item 1 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)
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0011082092  BIOSIS NO.: 199799716152
Stimulation of kinase cascades by growth hormone: A paradigm for cytokine
signaling
BOOK TITLE: Progress in Nucleic Acid Research and Molecular Biology
AUTHOR: Wood Timothy J J (Reprint); Haldosen Lars-Arne; Sliva Daniel;
Sundstrom Michael ; Norstedt Gunnar
BOOK AUTHOR/EDITOR: Moldave K (Editor)
AUTHOR ADDRESS: Dep. Cell Biol., Pharmacia UpJohn, 112 87 Stockholm, Sweden
**Sweden
SERIES TITLE: Progress in Nucleic Acid Research and Molecular Biology 57 p
73-94 1997
BOOK PUBLISHER: Academic Press, Inc., 1250 Sixth Ave., San Diego,
California 92101, USA
Academic Press Ltd., 14 Belgrave Square, 24-28 Oval Road,
London NW1 7OX, England, UK
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ISSN: 0079-6603 ISBN: 0-12-540057-8  
DOCUMENT TYPE: Book Chapter; Literature Review  
RECORD TYPE: Citation  
LANGUAGE: English

3/3/3 (Item 1 from file: 73)  
DIALOG(R)File 73:EMBASE  
(c) 2006 Elsevier Science B.V. All rts. reserv.  
  
06716533 EMBASE No: 1996381517  
Crystal structure of an antagonist mutant of human growth hormone, G120R,  
in complex with its receptor at 2.9 Angstrom resolution  
Sundstrom M. ; Lundqvist T.; Rodin J.; Giebel L.B.; Milligan D.;  
Norstedt G.  
Dept. of Structural Biochemistry, Pharmacia and Upjohn, Preclinical R and  
D, Nordenflychtsvagen 62:6, S-112 87 Stockholm Sweden  
Journal of Biological Chemistry ( J. BIOL. CHEM. ) (United States) 1996  
271/50 (32197-32203)  
CODEN: JBCHA ISSN: 0021-9258  
DOCUMENT TYPE: Journal; Article  
LANGUAGE: ENGLISH SUMMARY LANGUAGE: ENGLISH

3/3/4 (Item 2 from file: 73)  
DIALOG(R)File 73:EMBASE  
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06185574 EMBASE No: 1995215211  
Protein crystallography as a tool for studying the three-dimensional  
structure and function of the human growth hormone-receptor complex  
Lundqvist T.; Sundstrom M.  
Department Structural Biochemistry, Biopharmaceuticals, Pharmacia  
AB, S-112 87 Stockholm Sweden  
Endocrinology and Metabolism, Supplement ( ENDOCRINOL. METAB. SUPPL. ) ( United Kingdom) 1995, 2/B (47-52)  
CODEN: EMESF ISSN: 1074-939X  
DOCUMENT TYPE: Journal; Conference Paper  
LANGUAGE: ENGLISH  
? t s3/full/4

3/9/4 (Item 2 from file: 73)  
DIALOG(R)File 73:EMBASE  
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06185574 EMBASE No: 1995215211  
Protein crystallography as a tool for studying the three-dimensional  
structure and function of the human growth hormone-receptor complex  
Lundqvist T.; Sundstrom M.  
Department Structural Biochemistry, Biopharmaceuticals, Pharmacia  
AB, S-112 87 Stockholm Sweden  
Endocrinology and Metabolism, Supplement ( ENDOCRINOL. METAB. SUPPL. ) ( United Kingdom) 1995, 2/B (47-52)  
CODEN: EMESF ISSN: 1074-939X  
DOCUMENT TYPE: Journal; Conference Paper  
LANGUAGE: ENGLISH  
DRUG DESCRIPTORS:  
\*growth hormone receptor

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growth hormone --pharmacology--pd
MEDICAL DESCRIPTORS:
*crystallography
conference paper; controlled study; human; molecular biology; priority
journal; receptor binding
CAS REGISTRY NO.: 36992-73-1, 37267-05-3, 66419-50-9, 9002-72-6 ( growth
hormone )
SECTION HEADINGS:
003 Endocrinology
029 Clinical and Experimental Biochemistry
037 Drug Literature Index
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Set      Items      Description
S1       166      AU=((SUNDSTROM M?) OR (SUNDSTROM, M.) OR (SUNDSTROM, M?) OR
              (SUNDSTROM M.))
S2       5        S1 AND (GROWTH HORMONE)
S3       4        RD  (unique items)
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PLEASE ENTER A COMMAND OR BE LOGGED OFF IN 5 MINUTES
?
TIMEOUT: Logged Off 03/02/06 08:15:09 by System
```

You are now logged offTrying 31060000009999...Open

DIALOG INFORMATION SERVICES

PLEASE LOGON:

\*\*\*\*\* HHHHHHHH SSSSSSS? ### Status: Signing onto Dialog \*\*\*\*\*

ENTER PASSWORD:

\*\*\*\*\* HHHHHHHH SSSSSSS? \*\*\*\*\*

Welcome to DIALOG

### Status: Login successfulDialog level 05.10.03D

Reconnected in file OS 02mar06 08:20:05

\* \* \*

>>> 44 is unauthorized

>>> 76 is unauthorized

>>>2 of the specified files are not available

SYSTEM:OS - DIALOG OneSearch

File 155: MEDLINE(R) 1951-2006/Mar 01

(c) format only 2006 Dialog

\*File 155: Medline has resumed updating.

File 5: Biosis Previews(R) 1969-2006/Feb W4

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File 24: CSA Life Sciences Abstracts 1966-2006/Jan

(c) 2006 CSA.

File 28: Oceanic Abstracts 1966-2006/Jan

(c) 2006 CSA.

File 34: SciSearch(R) Cited Ref Sci 1990-2006/Feb W3

(c) 2006 Inst for Sci Info

File 35: Dissertation Abs Online 1861-2006/Feb

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File 41: Pollution Abstracts 1966-2006/Jan

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File 50:CAB Abstracts 1972-2006/Jan  
     (c) 2006 CAB International  
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     (c) 2006 Elsevier Science B.V.  
 File 73:EMBASE 1974-2006/Mar 02  
     (c) 2006 Elsevier Science B.V.  
 File 91:MANTIS(TM) 1880-2006/Feb  
     2006 (c) Action Potential  
 File 94:JICST-EPlus 1985-2006/Dec W1  
     (c) 2006 Japan Science and Tech Corp (JST)  
 File 98:General Sci Abs 1984-2004/Dec  
     (c) 2005 The HW Wilson Co.  
 File 110:WasteInfo 1974-2002/Jul  
     (c) 2002 AEA Techn Env.  
 \*File 110: This file is closed (no updates)  
 File 135:NewsRx Weekly Reports 1995-2006/Feb W3  
     (c) 2006 NewsRx  
 \*File 135: Please see HELP NEWS135 for information on select  
 journal titles.  
 File 136:BioEngineering Abstracts 1966-2006/Jan  
     (c) 2006 CSA.  
 File 143:Biol. & Agric. Index 1983-2006/Feb  
     (c) 2006 The HW Wilson Co  
 File 144:Pascal 1973-2006/Feb W1  
     (c) 2006 INIST/CNRS  
 File 164:Allied & Complementary Medicine 1984-2006/Mar  
     (c) 2006 BLHCIS  
 File 172:EMBASE Alert 2006/Mar 02  
     (c) 2006 Elsevier Science B.V.  
 File 185:Zoological Record Online(R) 1978-2006/Mar  
     (c) 2006 BIOSIS  
 File 357:Derwent Biotech Res. 1982-2006/Feb W4  
     (c) 2006 Thomson Derwent & ISI  
 File 369:New Scientist 1994-2006/Aug W4  
     (c) 2006 Reed Business Information Ltd.  
 File 370:Science 1996-1999/Jul W3  
     (c) 1999 AAAS  
 \*File 370: This file is closed (no updates). Use File 47 for more current  
 information.  
 File 391:Beilstein Reactions 2005/Q3  
     (c) 2005 Beilstein GmbH  
 File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec  
     (c) 1998 Inst for Sci Info  
 File 467:ExtraMED(tm) 2000/Dec  
     (c) 2001 Informania Ltd.  
 \*File 467: F467 will close on February 1, 2006. 7.  
 File 399:CA SEARCH(R) 1967-2006/UD=14410  
     (c) 2006 American Chemical Society  
 \*File 399: Use is subject to the terms of your user/customer agreement.  
 IPCR/8 classification codes now searchable as IC=. See HELP NEWSIPCR.

Set	Items	Description
---	---	-----
Cost	is in	DialUnits
?		
Terminal	set to	DLINK
? b	155 biosci	399
>>>		44 is unauthorized

```
>>> 76 is unauthorized
>>> 2 of the specified files are not available
 02mar06 08:20:16 User276629 Session D206.3
  $0.02  0.005 DialUnits File155
$0.02 Estimated cost File155
  $0.03  0.005 DialUnits File5
$0.03 Estimated cost File5
  $0.03  0.005 DialUnits File24
$0.03 Estimated cost File24
  $0.03  0.005 DialUnits File28
$0.03 Estimated cost File28
  $0.12  0.005 DialUnits File34
$0.12 Estimated cost File34
  $0.02  0.005 DialUnits File35
$0.02 Estimated cost File35
  $0.04  0.005 DialUnits File40
$0.04 Estimated cost File40
  $0.03  0.005 DialUnits File41
$0.03 Estimated cost File41
  $0.02  0.005 DialUnits File50
$0.02 Estimated cost File50
  $0.02  0.005 DialUnits File65
$0.02 Estimated cost File65
  $0.04  0.005 DialUnits File71
$0.04 Estimated cost File71
  $0.06  0.005 DialUnits File73
$0.06 Estimated cost File73
  $0.02  0.005 DialUnits File91
$0.02 Estimated cost File91
  $0.02  0.005 DialUnits File94
$0.02 Estimated cost File94
  $0.02  0.005 DialUnits File98
$0.02 Estimated cost File98
  $0.03  0.005 DialUnits File110
$0.03 Estimated cost File110
  $0.03  0.005 DialUnits File135
$0.03 Estimated cost File135
  $0.03  0.005 DialUnits File136
$0.03 Estimated cost File136
  $0.01  0.005 DialUnits File143
$0.01 Estimated cost File143
  $0.02  0.005 DialUnits File144
$0.02 Estimated cost File144
  $0.02  0.005 DialUnits File164
$0.02 Estimated cost File164
  $0.06  0.005 DialUnits File172
$0.06 Estimated cost File172
  $0.03  0.005 DialUnits File185
$0.03 Estimated cost File185
  $0.11  0.005 DialUnits File357
$0.11 Estimated cost File357
  $0.02  0.005 DialUnits File369
$0.02 Estimated cost File369
  $0.02  0.005 DialUnits File370
$0.02 Estimated cost File370
  $0.00  0.005 DialUnits File391
$0.00 Estimated cost File391
  $0.12  0.005 DialUnits File434
$0.12 Estimated cost File434
  $0.03  0.005 DialUnits File467
```

```
$0.03  Estimated cost File467
      $0.06    0.005 DialUnits File399
$0.06  Estimated cost File399
      OneSearch, 30 files,  0.148 DialUnits FileOS
$0.05  TELNET
$1.16  Estimated cost this search
$1.16  Estimated total session cost  0.148 DialUnits
```

SYSTEM:OS - DIALOG OneSearch  
File 155: MEDLINE(R) 1951-2006/Mar 01  
(c) format only 2006 Dialog  
**\*File 155: Medline has resumed updating.**  
File 5:Biosis Previews(R) 1969-2006/Feb W4  
(c) 2006 BIOSIS  
File 24:CSA Life Sciences Abstracts 1966-2006/Jan  
(c) 2006 CSA.  
File 28:Oceanic Abstracts 1966-2006/Jan  
(c) 2006 CSA.  
File 34:SciSearch(R) Cited Ref Sci 1990-2006/Feb W3  
(c) 2006 Inst for Sci Info  
File 35:Dissertation Abs Online 1861-2006/Feb  
(c) 2006 ProQuest Info&Learning  
File 40:Enviroline(R) 1975-2005/Dec  
File 41:Pollution Abstracts 1966-2006/Jan  
(c) 2006 CSA.  
File 50:CAB Abstracts 1972-2006/Jan  
(c) 2006 CAB International  
File 65:Inside Conferences 1993-2006/Mar 01  
(c) 2006 BLDSC all rts. reserv.  
File 71:ELSEVIER BIOBASE 1994-2006/Feb W4  
(c) 2006 Elsevier Science B.V.  
File 73:EMBASE 1974-2006/Mar 02  
(c) 2006 Elsevier Science B.V.  
File 91:MANTIS(TM) 1880-2006/Feb  
2006 (c) Action Potential  
File 94:JICST-EPlus 1985-2006/Dec W1  
(c) 2006 Japan Science and Tech Corp (JST)  
File 98:General Sci Abs 1984-2004/Dec  
(c) 2005 The HW Wilson Co.  
File 110:WasteInfo 1974-2002/Jul  
(c) 2002 AEA Techn Env.  
**\*File 110: This file is closed (no updates)**  
File 135:NewsRx Weekly Reports 1995-2006/Feb W3  
(c) 2006 NewsRx  
**\*File 135: Please see HELP NEWS135 for information on select journal titles.**  
File 136:BioEngineering Abstracts 1966-2006/Jan  
(c) 2006 CSA.  
File 143:Biol. & Agric. Index 1983-2006/Feb  
(c) 2006 The HW Wilson Co  
File 144:Pascal 1973-2006/Feb W1  
(c) 2006 INIST/CNRS  
File 164:Allied & Complementary Medicine 1984-2006/Mar  
(c) 2006 BLHCIS  
File 172:EMBASE Alert 2006/Mar 02  
(c) 2006 Elsevier Science B.V.  
File 185:Zoological Record Online(R) 1978-2006/Mar  
(c) 2006 BIOSIS

File 357:Derwent Biotech Res. 1982-2006/Feb W4  
(c) 2006 Thomson Derwent & ISI  
File 369:New Scientist 1994-2006/Aug W4  
(c) 2006 Reed Business Information Ltd.  
File 370:Science 1996-1999/Jul W3  
(c) 1999 AAAS  
**\*File 370: This file is closed (no updates). Use File 47 for more current information.**  
File 391:Beilstein Reactions 2005/Q3  
(c) 2005 Beilstein GmbH  
File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec  
(c) 1998 Inst for Sci Info  
File 467:ExtraMED(tm) 2000/Dec  
(c) 2001 Informania Ltd.  
**\*File 467: F467 will close on February 1, 2006.** 7.  
File 399:CA SEARCH(R) 1967-2006/UD=14410  
(c) 2006 American Chemical Society  
**\*File 399: Use is subject to the terms of your user/customer agreement.**  
IPCR/8 classification codes now searchable as IC=. See HELP NEWSIPCR.

```
Set Items Description
--- ----- -----
? s dt=review
>>>One or more prefixes are unsupported
>>> or undefined in one or more files.
      S1 2564728 DT=REVIEW
? s sl and crystallization
      2564728 S1
      527244 CRYSTALLIZATION
      S2 4967 S1 AND CRYSTALLIZATION
? s sl and (crystallization near tips)
      2564728 S1
      0 CRYSTALLIZATION NEAR TIPS
      S3 0 S1 AND (CRYSTALLIZATION NEAR TIPS)
? s 2 and tips
Sending Break...
? s s2 and (tips or tricks)
      4967 S2
      104518 TIPS
      5066 TRICKS
      S4 11 S2 AND (TIPS OR TRICKS)
? rd
```

>>>Duplicate detection is not supported for File 391.

```
>>>Records from unsupported files will be retained in the RD set.
      S5 9 RD (unique items)
? s s5 and py<=1997
Processing
Processed 10 of 30 files ...
Processing
Processed 20 of 30 files ...
>>>One or more prefixes are unsupported
>>> or undefined in one or more files.
Processing
Processed 30 of 30 files ...
Completed processing all files
      9 S5
      89665648 PY<=1997
```

S6 3 S5 AND PY<=1997  
? t s6/medium/all

6/3/1 (Item 1 from file: 34)  
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci  
(c) 2006 Inst for Sci Info. All rts. reserv.

06306793 Genuine Article#: YH165 No. References: 100  
**Title: Surface energetics from the transition from step-flow growth to two-dimensional nucleation in metal homoepitaxy**  
Author(s): Markov I (REPRINT)  
Corporate Source: BULGARIAN ACAD SCI, INST PHYS CHEM/BU-1113  
SOFIA//BULGARIA/ (REPRINT)  
Journal: PHYSICAL REVIEW B-CONDENSED MATTER, 1997, V56, N19 (NOV 15), P  
12544-12552  
ISSN: 0163-1829 Publication date: 19971115  
Publisher: AMER INST PHYSICS, CIRCULATION FULFILLMENT DIV, 500 SUNNYSIDE  
BLVD, WOODBURY, NY 11797-2999  
Language: English Document Type: REVIEW (ABSTRACT AVAILABLE)

6/3/2 (Item 2 from file: 34)  
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci  
(c) 2006 Inst for Sci Info. All rts. reserv.

05513947 Genuine Article#: WD509 No. References: 122  
**Title: High-resolution scanning tunneling microscopy of fully hydrated ripple-phase bilayers**  
Author(s): Woodward JT; Zasadzinski JA (REPRINT)  
Corporate Source: UNIV CALIF SANTA BARBARA, DEPT CHEM ENGN/SANTA  
BARBARA//CA/93106 (REPRINT); UNIV CALIF SANTA BARBARA, DEPT CHEM  
ENGN/SANTA BARBARA//CA/93106; UNIV CALIF SANTA BARBARA, DEPT PHYS/SANTA  
BARBARA//CA/93106  
Journal: BIOPHYSICAL JOURNAL, 1997, V72, N2,1 (FEB), P964-976  
ISSN: 0006-3495 Publication date: 19970200  
Publisher: BIOPHYSICAL SOCIETY, 9650 ROCKVILLE PIKE, BETHESDA, MD  
20814-3998  
Language: English Document Type: REVIEW (ABSTRACT AVAILABLE)

6/3/3 (Item 3 from file: 34)  
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci  
(c) 2006 Inst for Sci Info. All rts. reserv.

01035668 Genuine Article#: FQ320 No. References: 67  
**Title: STABILITY AND SHAPES OF CELLULAR PROFILES IN DIRECTIONAL SOLIDIFICATION - EXPANSION AND MATCHING METHODS**  
Author(s): WEEKS JD; VANSAARLOOS W; GRANT M  
Corporate Source: UNIV MARYLAND, INST PHYS SCI & TECHNOL/COLLEGE  
PK//MD/20742; AT&T BELL LABS/MURRAY HILL//NJ/07974; MCGILL UNIV, DEPT  
PHYS/MONTREAL H3A 2T8/QUEBEC/CANADA/  
Journal: JOURNAL OF CRYSTAL GROWTH, 1991, V112, N1, P244-282  
Language: ENGLISH Document Type: REVIEW (Abstract Available)  
? s (protein crystallography)  
S7 953 (PROTEIN CRYSTALLOGRAPHY)  
? s s7 and crystallization  
953 S7  
527244 CRYSTALLIZATION

```
S8      223  S7 AND CRYSTALLIZATION
? s s8 and (tips or tricks)
      223  S8
104518  TIPS
      5066  TRICKS
S9      0  S8 AND (TIPS OR TRICKS)
? s s8 and methods
      223  S8
10155721  METHODS
S10      49  S8 AND METHODS
? rd
```

>>>Duplicate detection is not supported for File 391.

```
>>>Records from unsupported files will be retained in the RD set.
      S11      47  RD (unique items)
? s s11 and py<=1997
Processing
Processed 10 of 30 files ...
Processing
>>>One or more prefixes are unsupported
>>> or undefined in one or more files.
Processed 20 of 30 files ...
Processing
Completed processing all files
      47  S11
      89665648  PY<=1997
      S12      7  S11 AND PY<=1997
? t s12/medium/all
```

12/3/1 (Item 1 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)
(c) 2006 BIOSIS. All rts. reserv.

0010011400 BIOSIS NO.: 199598479233
**Crystallographic and chromatographic methods for study of antibody light chains and other proteins**
BOOK TITLE: Methods in Molecular Biology; Antibody engineering protocols
AUTHOR: Schiffer Marianne; Stevens Fred J
BOOK AUTHOR/EDITOR: Paul S (Editor)
AUTHOR ADDRESS: Center Mechanistic Biol. Biotechnol., Argonne Natl. Lab.,
 Argonne, IL, USA\*\*USA
SERIES TITLE: Methods in Molecular Biology 51 p83-98 1995
BOOK PUBLISHER: Humana Press Inc. {a}, Suite 808, 999 Riverview Drive,
 Totowa, New Jersey 07512, USA
ISSN: 0097-0816 ISBN: 0-89603-275-2
DOCUMENT TYPE: Book; Book Chapter
RECORD TYPE: Citation
LANGUAGE: English

12/3/2 (Item 1 from file: 34)
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci
(c) 2006 Inst for Sci Info. All rts. reserv.

03098927 Genuine Article#: NE640 No. References: 32
**Title: CURRENT PROGRESS IN CRYSTALLOGRAPHIC STUDIES OF NEW LIPASES FROM FILAMENTOUS FUNGI**
Author(s): DEREWENDA U; SWENSON L; GREEN R; WEI Y; YAMAGUCHI S; JOERGER R;

HAAS MJ; DEREWENDA ZS  
Corporate Source: UNIV ALBERTA, DEPT BIOCHEM, MRC, PROT STRUCT & FUNCT  
GRP/EDMONTON T6G 2H7/AB/CANADA/; UNIV ALBERTA, DEPT BIOCHEM, MRC, PROT  
STRUCT & FUNCT GRP/EDMONTON T6G 2H7/AB/CANADA/; AMANO PHARMACEUT CO  
LTD, TSUKUBA RES LAB/TSUKUBA/IBARAKI/JAPAN/; USDA ARS, EASTERN REG RES  
CTR/PHILADELPHIA//PA/19118  
Journal: PROTEIN ENGINEERING, 1994, V7, N4 (APR), P551-557  
ISSN: 0269-2139  
Language: ENGLISH Document Type: ARTICLE (Abstract Available)

12/3/3 (Item 1 from file: 71)  
DIALOG(R)File 71:ELSEVIER BIOBASE  
(c) 2006 Elsevier Science B.V. All rts. reserv.

00501380 97000970  
**Crystal structure of the secretory form of membrane-associated human carbonic anhydrase IV at 2.8-Angstrom resolution**  
Stams T.; Nair S.K.; Okuyama T.; Waheed A.; Sly W.S.; Christianson D.W.  
ADDRESS: S.K. Nair, Laboratories of Molecular Biophysics, Rockefeller  
University, New York, NY 10021, United States  
Journal: Proceedings of the National Academy of Sciences of the United  
States of America, 93/24 (13589-13594), 1996, United States  
PUBLICATION DATE: 19960000  
CODEN: PNASA  
ISSN: 0027-8424  
DOCUMENT TYPE: Conference Paper  
LANGUAGES: English SUMMARY LANGUAGES: English

DESCRIPTORS:  
**protein crystallography** ; zinc enzyme; carbon dioxide hydration

CLASSIFICATION CODE AND DESCRIPTION:  
82.2.3 - PROTEIN BIOCHEMISTRY / STRUCTURAL STUDIES / Protein  
**Crystallization** and Crystal Structures  
82.5.2 - PROTEIN BIOCHEMISTRY / GENERAL ENZYMOLOGY / Molecular Recognition  
(Specificity)

12/3/4 (Item 2 from file: 71)  
DIALOG(R)File 71:ELSEVIER BIOBASE  
(c) 2006 Elsevier Science B.V. All rts. reserv.

00413487 96107251  
**Crystal structure of Deltasup 9 stearoyl-acyl carrier protein desaturase from castor seed and its relationship to other di-iron proteins**  
Lindqvist Y.; Huang W.; Schneider G.; Shanklin J.  
ADDRESS: Y. Lindqvist, Division of Structural Biology, Dept Medical  
Biochemistry Biophysics, Karolinska Institute, Doktorsringen 4,  
S-171 77 Stockholm, Sweden  
Journal: EMBO Journal, 15/16 (4081-4092), 1996, United Kingdom  
PUBLICATION DATE: 19960000  
CODEN: EMJOD  
ISSN: 0261-4189  
DOCUMENT TYPE: Article  
LANGUAGES: English SUMMARY LANGUAGES: English

DESCRIPTORS:  
Di-iron centre; Electron transfer; Fatty acid biosynthesis; **Protein**

**crystallography**

**CLASSIFICATION CODE AND DESCRIPTION:**

82.2.3 - PROTEIN BIOCHEMISTRY / STRUCTURAL STUDIES / Protein

Crystallization and Crystal Structures

82.12.6.2 - PROTEIN BIOCHEMISTRY / OTHER PROTEINS / Binding Proteins / Iron binding proteins

12/3/5 (Item 3 from file: 71)

DIALOG(R) File 71:ELSEVIER BIOBASE

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00370377 96035886

**Crystal structures of apolipoprotein(a) kringle IV37 free and complexed with 6-aminohexanoic acid and with p-aminomethyl benzoic acid: Existence of novel and expected binding modes**

Mikol V.; LoGrasso P.V.; Boettcher B.R.

ADDRESS: V. Mikol, Preclinical Research, Sandoz Pharma AG, CH-4002 Basel, Switzerland

Journal: Journal of Molecular Biology, 256/4 (751-761), 1996, United Kingdom

PUBLICATION DATE: 19960000

CODEN: JMOBA

ISSN: 0022-2836

DOCUMENT TYPE: Article

LANGUAGES: English SUMMARY LANGUAGES: English

**DESCRIPTORS:**

Apolipoprotein(a); Kringle; **Protein crystallography** ; Protein-ligand interactions

**CLASSIFICATION CODE AND DESCRIPTION:**

82.2.3 - PROTEIN BIOCHEMISTRY / STRUCTURAL STUDIES / Protein

Crystallization and Crystal Structures

82.12.9 - PROTEIN BIOCHEMISTRY / OTHER PROTEINS / Lipoproteins

12/3/6 (Item 4 from file: 71)

DIALOG(R) File 71:ELSEVIER BIOBASE

(c) 2006 Elsevier Science B.V. All rts. reserv.

00323907 95150705

**Crystal structure of the SH2 domain from the adaptor protein SHC: A model for peptide binding based on X-ray and NMR data**

Mikol V.; Baumann G.; Zurini M.G.M.; Hommel U.

ADDRESS: V. Mikol, Preclinical Research, Sandoz Pharma AG, CH-4002 Basel, Switzerland

Journal: Journal of Molecular Biology, 254/1 (86-95), 1995, United Kingdom

PUBLICATION DATE: 19950000

CODEN: JMOBA

ISSN: 0022-2836

DOCUMENT TYPE: Article

LANGUAGES: English SUMMARY LANGUAGES: English

**DESCRIPTORS:**

SH2 domain; **Protein crystallography** ; SHC; NMR spectroscopy; Signal

transduction

CLASSIFICATION CODE AND DESCRIPTION:

82.2.3 - PROTEIN BIOCHEMISTRY / STRUCTURAL STUDIES / Protein  
    Crystallization and Crystal Structures  
82.2.12.2 - PROTEIN BIOCHEMISTRY / STRUCTURAL STUDIES / Molecular  
    Recognition / Protein-protein interaction  
82.2.5.1 - PROTEIN BIOCHEMISTRY / STRUCTURAL STUDIES / Structures from  
    Spectroscopic Methods / NMR

12/3/7 (Item 5 from file: 71)  
DIALOG(R)File 71:ELSEVIER BIOBASE  
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00279006 95094013

Structure-assisted redesign of a protein-zinc-binding site with femtomolar  
    affinity

Ippolito J.A.; Baird Jr. T.T.; McGee S.A.; Christianson D.W.; Fierke C.A.  
ADDRESS: D.W. Christianson, Department of Chemistry, University of

    Pennsylvania, Philadelphia, PA 19104-6323, United States

Journal: Proceedings of the National Academy of Sciences of the United  
    States of America, 92/11 (5017-5021), 1995, United States

PUBLICATION DATE: 19950000

CODEN: PNASA

ISSN: 0027-8424

DOCUMENT TYPE: Article

LANGUAGES: English SUMMARY LANGUAGES: English

DESCRIPTORS:

protein crystallography ; protein engineering; enzymology; metalloenzyme

CLASSIFICATION CODE AND DESCRIPTION:

82.3.1 - PROTEIN BIOCHEMISTRY / PROTEIN ENGINEERING / Design and  
    Theoretical Studies

82.2.12.6 - PROTEIN BIOCHEMISTRY / STRUCTURAL STUDIES / Molecular  
    Recognition / Protein-metal interaction

82.2.3 - PROTEIN BIOCHEMISTRY / STRUCTURAL STUDIES / Protein  
    Crystallization and Crystal Structures

?

PLEASE ENTER A COMMAND OR BE LOGGED OFF IN 5 MINUTES

?

TIMEOUT: Logged Off 03/02/06 08:42:10 by System

You are now logged off